

# Bombo Wastewater Treatment Plant

## June Pollution Monitoring Summary



### EPL 2269

Summary period: 01-06-2018 to 30-06-2018

Date obtained: 04-07-2018

Date published: 11-07-2018

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 3 Day Geometric Mean data**

EPA Point 4 Site code BO0004		Point description: At the end of the chlorine contact tanks				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits	
total suspended solids	mg/L	monthly	50	3	yes	

3 Day Geometric Mean (3DGM) is a way to average a set of values and is commonly used with water quality assessments which show a great deal of variability. 3DGM is calculated by multiplying the results of the analysis of three samples collected on three consecutive days and then taking the cubed root of that amount.

**Table 2: Routine monitoring data**

EPA Point 4 Site code BO0004		Point description: At the end of the chlorine contact tanks				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	37
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
copper	ug/L	monthly	1	-	-	3
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	1.4
nonylphenol ethoxylate	ug/L	monthly	1	-	-	<5
total suspended solids	mg/L	every 6 days	5	<2	<2	3

EPA Point 13 Site code BO0013		Point description: In the channel after the dechlorination unit				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	<1	361	1,800
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	88
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100

Average and percentile limits are only applied annually for routine monitoring data in Table 2

# Bombo Wastewater Treatment Plant

## May Pollution Monitoring Summary



### EPL 2269

Summary period: 01-05-2018 to 31-05-2018

Date obtained: 04-06-2018

Date published: 13-06-2018

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 3 Day Geometric Mean data**

EPA Point 4 Site code BO0004		Point description: At the end of the chlorine contact tanks				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits	
total suspended solids	mg/L	monthly	50	2	yes	

3 Day Geometric Mean (3DGM) is a way to average a set of values and is commonly used with water quality assessments which show a great deal of variability. 3DGM is calculated by multiplying the results of the analysis of three samples collected on three consecutive days and then taking the cubed root of that amount.

**Table 2: Routine monitoring data**

EPA Point 4 Site code BO0004		Point description: At the end of the chlorine contact tanks				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	27
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
copper	ug/L	monthly	1	-	-	2.4
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	3.3
nonylphenol ethoxylate	ug/L	monthly	1	-	-	<5
total suspended solids	mg/L	every 6 days	5	<2	2	5

EPA Point 13 Site code BO0013		Point description: In the channel after the dechlorination unit				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	<1	112	550
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100

Average and percentile limits are only applied annually for routine monitoring data in Table 2

# Bombo Wastewater Treatment Plant

## April Pollution Monitoring Summary



### EPL 2269

Summary period: 01-04-2018 to 30-04-2018

Date obtained: 03-05-2018

Date published: 11-05-2018

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 3 Day Geometric Mean data**

EPA Point 4 Site code BO0004		Point description: At the end of the chlorine contact tanks				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits	
total suspended solids	mg/L	monthly	50	7	yes	

3 Day Geometric Mean (3DGM) is a way to average a set of values and is commonly used with water quality assessments which show a great deal of variability. 3DGM is calculated by multiplying the results of the analysis of three samples collected on three consecutive days and then taking the cubed root of that amount.

**Table 2: Routine monitoring data**

EPA Point 4 Site code BO0004		Point description: At the end of the chlorine contact tanks				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	34
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	7	22
copper	ug/L	monthly	1	-	-	2.6
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	10
nonylphenol ethoxylate	ug/L	monthly	1	-	-	7
total suspended solids	mg/L	every 6 days	5	3	6	12

EPA Point 13 Site code BO0013		Point description: In the channel after the dechlorination unit				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	<1	11	47
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100

Average and percentile limits are only applied annually for routine monitoring data in Table 2

# Bombo Wastewater Treatment Plant

## March Pollution Monitoring Summary



### EPL 2269

Summary period: 01-03-2018 to 31-03-2018

Date obtained: 06-04-2018

Date published: 13-04-2018

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 3 Day Geometric Mean data**

EPA Point 4 Site code BO0004		Point description: At the end of the chlorine contact tanks				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits	
total suspended solids	mg/L	monthly	50	8	yes	

3 Day Geometric Mean (3DGM) is a way to average a set of values and is commonly used with water quality assessments which show a great deal of variability. 3DGM is calculated by multiplying the results of the analysis of three samples collected on three consecutive days and then taking the cubed root of that amount.

**Table 2: Routine monitoring data**

EPA Point 4 Site code BO0004		Point description: At the end of the chlorine contact tanks				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	40
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	3	5	7
copper	ug/L	monthly	1	-	-	3
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	12.6
nonylphenol ethoxylate	ug/L	monthly	1	-	-	<5
total suspended solids	mg/L	every 6 days	5	4	6	9

  

EPA Point 13 Site code BO0013		Point description: In the channel after the dechlorination unit				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	<1	340	1,600
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	92.8

Average and percentile limits are only applied annually for routine monitoring data in Table 2

# Bombo Wastewater Treatment Plant

## February Pollution Monitoring Summary



### EPL 2269

Summary period: 01-02-2018 to 28-02-2018

Date obtained: 07-03-2018

Date published: 15-03-2018

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 3 Day Geometric Mean data**

EPA Point 4 Site code BO0004		Point description: At the end of the chlorine contact tanks				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits	
total suspended solids	mg/L	monthly	50	10	yes	

3 Day Geometric Mean (3DGM) is a way to average a set of values and is commonly used with water quality assessments which show a great deal of variability. 3DGM is calculated by multiplying the results of the analysis of three samples collected on three consecutive days and then taking the cubed root of that amount.

**Table 2: Routine monitoring data**

EPA Point 4 Site code BO0004		Point description: At the end of the chlorine contact tanks				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	85
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	9	20
copper	ug/L	monthly	1	-	-	4.2
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	13.2
nonylphenol ethoxylate	ug/L	monthly	1	-	-	<5
total suspended solids	mg/L	every 6 days	5	8	53	220

EPA Point 13 Site code BO0013		Point description: In the channel after the dechlorination unit				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	3	14	31
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100

Average and percentile limits are only applied annually for routine monitoring data in Table 2

# Bombo Wastewater Treatment Plant

## January Pollution Monitoring Summary



### EPL 2269

Summary period: 01-01-2018 to 31-01-2018

Date obtained: 15-02-2018

Date published: 23-02-2018

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 3 Day Geometric Mean data**

EPA Point 4 Site code BO0004		Point description: At the end of the chlorine contact tanks				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits	
total suspended solids	mg/L	monthly	50	19	yes	

3 Day Geometric Mean (3DGM) is a way to average a set of values and is commonly used with water quality assessments which show a great deal of variability. 3DGM is calculated by multiplying the results of the analysis of three samples collected on three consecutive days and then taking the cubed root of that amount.

**Table 2: Routine monitoring data**

EPA Point 4 Site code BO0004		Point description: At the end of the chlorine contact tanks				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	111
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	8	10	12
copper	ug/L	monthly	1	-	-	7.9
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	13.5
nonylphenol ethoxylate	ug/L	monthly	1	-	-	8
total suspended solids	mg/L	every 6 days	5	8	19	31

EPA Point 13 Site code BO0013		Point description: In the channel after the dechlorination unit				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	1	8483	42,000
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100

Average and percentile limits are only applied annually for routine monitoring data in Table 2

# Bombo Wastewater Treatment Plant

## December Pollution Monitoring Summary



### EPL 2269

Summary period: 01-12-2017 to 31-12-2017

Date obtained: 23-01-2018

Date published: 29-01-2018

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 3 Day Geometric Mean data**

EPA Point 4 Site code BO0004		Point description: At the end of the chlorine contact tanks				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits	
total suspended solids	mg/L	monthly	50	18	yes	

3 Day Geometric Mean (3DGM) is a way to average a set of values and is commonly used with water quality assessments which show a great deal of variability. 3DGM is calculated by multiplying the results of the analysis of three samples collected on three consecutive days and then taking the cubed root of that amount.

**Table 2: Routine monitoring data**

EPA Point 4 Site code BO0004		Point description: At the end of the chlorine contact tanks				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	102
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	4	6	11
copper	ug/L	monthly	1	-	-	6
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	8.8
nonylphenol ethoxylate	ug/L	monthly	1	-	-	<5
total suspended solids	mg/L	every 6 days	5	15	26	58

EPA Point 13 Site code BO0013		Point description: In the channel after the dechlorination unit				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	5	16	23
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100

Average and percentile limits are only applied annually for routine monitoring data in Table 2

# Bombo Wastewater Treatment Plant

## November Pollution Monitoring Summary



### EPL 2269

Summary period: 01-11-2017 to 30-11-2017

Date obtained: 08-12-2017

Date published: 14-12-2017

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 3 Day Geometric Mean data**

EPA Point 4 Site code BO0004		Point description: At the end of the chlorine contact tanks				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits	
total suspended solids	mg/L	monthly	50	8	yes	

3 Day Geometric Mean (3DGM) is a way to average a set of values and is commonly used with water quality assessments which show a great deal of variability. 3DGM is calculated by multiplying the results of the analysis of three samples collected on three consecutive days and then taking the cubed root of that amount.

**Table 2: Routine monitoring data**

EPA Point 4 Site code BO0004		Point description: At the end of the chlorine contact tanks				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	48
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	3	6
copper	ug/L	monthly	1	-	-	5.1
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	6.8
nonylphenol ethoxylate	ug/L	monthly	1	-	-	<5
total suspended solids	mg/L	every 6 days	5	3	9	20

EPA Point 13 Site code BO0013		Point description: In the channel after the dechlorination unit				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	6	137	430
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100

Average and percentile limits are only applied annually for routine monitoring data in Table 2



# Bombo Wastewater Treatment Plant

## October Pollution Monitoring Summary



### EPL 2269

Summary period: 01-10-2017 to 31-10-2017

Date obtained: 13-11-2017

Date published: 22-11-2017

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 3 Day Geometric Mean data**

EPA Point 4 Site code BO0004		Point description: At the end of the chlorine contact tanks				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits	
total suspended solids	mg/L	monthly	50	2	yes	

3 Day Geometric Mean (3DGM) is a way to average a set of values and is commonly used with water quality assessments which show a great deal of variability. 3DGM is calculated by multiplying the results of the analysis of three samples collected on three consecutive days and then taking the cubed root of that amount.

**Table 2: Routine monitoring data**

EPA Point 4 Site code BO0004		Point description: At the end of the chlorine contact tanks				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	27
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	3
copper	ug/L	monthly	1	-	-	2.6
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	3.3
nonylphenol ethoxylate	ug/L	monthly	1	-	-	13
total suspended solids	mg/L	every 6 days	5	<2	<2	4

EPA Point 13 Site code BO0013		Point description: In the channel after the dechlorination unit				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	<1
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100

Average and percentile limits are only applied annually for routine monitoring data in Table 2

# Bombo Wastewater Treatment Plant

## September Pollution Monitoring Summary



### EPL 2269

Summary period: 01-09-2017 to 30-09-2017

Date obtained: 06-10-2017

Date published: 17-10-2017

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 3 Day Geometric Mean data**

EPA Point 4 Site code BO0004		Point description: At the end of the chlorine contact tanks				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits	
total suspended solids	mg/L	monthly	50	3	yes	

3 Day Geometric Mean (3DGM) is a way to average a set of values and is commonly used with water quality assessments which show a great deal of variability. 3DGM is calculated by multiplying the results of the analysis of three samples collected on three consecutive days and then taking the cubed root of that amount.

**Table 2: Routine monitoring data**

EPA Point 4 Site code BO0004		Point description: At the end of the chlorine contact tanks				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	43
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
copper	ug/L	monthly	1	-	-	2.5
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	3.8
nonylphenol ethoxylate	ug/L	monthly	1	-	-	<5
total suspended solids	mg/L	every 6 days	5	2	3	4

  

EPA Point 13 Site code BO0013		Point description: In the channel after the dechlorination unit				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	<1	2	6
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100

Average and percentile limits are only applied annually for routine monitoring data in Table 2

# Bombo Wastewater Treatment Plant

## August Pollution Monitoring Summary



### EPL 2269

Summary period: 01-08-2017 to 31-08-2017

Date obtained: 18-09-2017

Date published: 21-09-2017

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 3 Day Geometric Mean data**

EPA Point 4 Site code BO0004		Point description: At the end of the chlorine contact tanks				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits	
total suspended solids	mg/L	monthly	50	4	yes	

3 Day Geometric Mean (3DGM) is a way to average a set of values and is commonly used with water quality assessments which show a great deal of variability. 3DGM is calculated by multiplying the results of the analysis of three samples collected on three consecutive days and then taking the cubed root of that amount.

**Table 2: Routine monitoring data**

EPA Point 4 Site code BO0004		Point description: At the end of the chlorine contact tanks				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	39
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	2	3
copper	ug/L	monthly	1	-	-	5.1
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	4.5
nonylphenol ethoxylate	ug/L	monthly	1	-	-	6
total suspended solids	mg/L	every 6 days	5	<2	4	10

EPA Point 13 Site code BO0013		Point description: In the channel after the dechlorination unit				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	1
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	390
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

# Bombo Wastewater Treatment Plant

## July Pollution Monitoring Summary



### EPL 2269

Summary period: 01-07-2017 to 31-07-2017

Date obtained: 17-08-2017

Date published: 23-08-2017

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 3 Day Geometric Mean data**

EPA Point 4 Site code BO0004		Point description: At the end of the chlorine contact tanks				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits	
total suspended solids	mg/L	monthly	50	2	yes	

3 Day Geometric Mean (3DGM) is a way to average a set of values and is commonly used with water quality assessments which show a great deal of variability. 3DGM is calculated by multiplying the results of the analysis of three samples collected on three consecutive days and then taking the cubed root of that amount.

**Table 2: Routine monitoring data**

EPA Point 4 Site code BO0004		Point description: At the end of the chlorine contact tanks				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	29
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	5
copper	ug/L	monthly	1	-	-	2.8
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	8.9
nonylphenol ethoxylate	ug/L	monthly	1	-	-	<5
total suspended solids	mg/L	every 6 days	5	3	5	8

EPA Point 13 Site code BO0013		Point description: In the channel after the dechlorination unit				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	6	<1	2	4
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100

Average and percentile limits are only applied annually for routine monitoring data in Table 2.